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1871.

J. H. PUNCHARD'S

THIRD ANNUAL

Floral Guide,

—AND—

CATALOGUE

—OF—

FLOWER SEEDS.

FOR SALE BY

J. H. PUNCHARD,

SEEDSMAN AND FLORIST,

No. 139 ESSEX STREET,

SALEM, MASS.

SALEM:

T. J. HUTCHINSON, PRINTER,—OPPOSITE ESSEX HOUSE.

1871.

INTRODUCTION.

In offering my third Annual Catalogue of Flower Seeds, I tender my sincere thanks for past favors and hope for their continuance.

In my selection of Seeds I have not sought to procure every kind and variety of Seeds, but those most desirable, and such as will give general satisfaction.

The seeds are all fresh, and imported from the most reliable houses in Germany and France.

Our select Flower Seeds have given general satisfaction, and we again invite the attention of our friends and patrons, and all lovers of flowers to our choice collection of FRENCH and GERMAN ASTERS, CALCEOLARIAS, CINERARIAS GERMAN STOCKS, CONCOMES, CAMELIA-FLOWERED BALSAMS, MIMULUS, VERBENAS, ENGLISH PANSIES, CHINESE PRIMROSE, SWEET WILLIAMS, &c., received direct from the parties who grow these plants for the English and Continental Exhibitions, by which we are enabled to insure to purchasers pure and genuine seeds of the best sorts in cultivation, saved from prize flowers only.

We would also invite your attention to our choice collections of FRENCH AND GERMAN FLOWER SEEDS, page 5th, containing the most beautiful varieties of each species, saved with the greatest care by the most experienced Continental Florists, the quality of which cannot be excelled.

FORMATION OF CLUBS.

As an additional inducement to individuals who desire to possess a large collection, or for the formation of clubs for the same object, we offer to send by mail *free of postage*, to any address in the United States, on the receipt of the amount of the order, seeds selected as follows :—

Purchasers remitting \$1.00	may select seeds at Catalogue prices, amounting to \$1.15
“ “ 2.00	“ “ “ “ “ “ “ “ 2.35
“ “ 3.00	“ “ “ “ “ “ “ “ 3.65
“ “ 4.00	“ “ “ “ “ “ “ “ 4.95
“ “ 5.00	“ “ “ “ “ “ “ “ 6.25
“ “ 10.00	“ “ “ “ “ “ “ “ 13.00

Persons desiring us to make their selections may rely upon our sending only those which are really showy and handsome, and easy to cultivate. We believe that our experience will enable us to make selections that cannot fail to give entire satisfaction to any lady or gentleman who may send us their orders.

In sending orders for seeds by mail, it will be only necessary to give the date of the Catalogue from which the selection is made, and the numbers, instead of the names of the varieties. The name of the person to whom they are to be sent, and the names of the Town, County and State, should be plainly written, that there may be no mistaking a single letter. We have often received letters containing money, the signatures of which are so indistinct as to make it almost impossible to decide where and to whom the seeds are ordered to be sent.

REMARKS ON THE SOWING AND MANAGEMENT OF FLOWER SEEDS.

Flower seeds may be sown in the open border in April or May, as soon as the soil is in a fit condition. Some varieties will not bear transplanting, and will therefore require to be sown where they are intended to bloom. The greater part, however, are best sown in nursery beds, and transplanted, in damp, cloudy weather, to their blooming quarters.

Many annual varieties are very attractive for winter decoration in the greenhouse or conservatory, when sown in pots in summer or fall. For sowing pots, a mixture of loam, leaf-mould and sand is most desirable, the very fine seeds, such as *Calceolaria*, *Petunia*, &c., being merely scattered on the surface and pressed into the soil. The larger seeds may be covered from one-eighth to one quarter of an inch.

The same remarks apply to sowing in the open borders as well.

A cold frame in a shady situation is preferable till the seeds are well up, when more air and light may gradually be given, till at length they are hardy enough to stand the full sun. When large enough transplant separately into small pots and finally into blooming pots, keeping them as near the glass as possible, to prevent their becoming drawn up and unhealthy.

The lover of flowers, inexperienced in their cultivation, often finds that the seeds which he has sown do not vegetate. Hence he blames the seed, and consequently the person from whom he obtains them. Well, my friend, did you ever notice how Nature sows seed? She scatters it upon the surface of the ground, and trusts to the rain and like agencies to give it a slight covering with earth. She does not dig holes of half an inch to an inch or more in depth to bury the seeds no larger than a pin's head. Do as she does, and sow shallow, previously pulverizing the earth as fine as possible, and your disappointments will be fewer.

Dig deep, pulverize finely, manure well, cover your seeds lightly, and you will succeed.

CALCEOLARIA sow in July and August, if but moderate-sized plants can be accommodated through the winter; but if plants are required for specimens, sow in June.

To ensure success in the raising of seedlings, it is requisite to attend to the following directions as nearly as possible. The seed should be sown in pots, prepared in the following manner: the pot to be half filled with drainage, over that rough sifting of the mould, and the surface covered with soil as fine as possible, half of which should be composed of silver sand. When prepared thus it should be watered with a fine rose, immediately after which sow the seed carefully without any covering of soil. The pots should then be placed under a close frame or hand-glass, in a shady part of the garden, no artificial heat being required. They should be shaded until they are ready to be picked off (say when they show three or four leaves) in pots prepared as before, and when of suitable size, potted off singly.

CINERARIA are more hardy in their growth, and require somewhat less care than the above, but for them the same treatment will suit.

BALSAMS for early flowering, may be sown in the hot-bed, in March and in the open ground the last of May, or the first of June.

ASTERS same as *Balsams*, only they can be sown earlier, in the open ground

PANSIES, *PHLOX DRUMMONDII* and *VERBENAS* may be sown in April, in the open ground, or if early flowers are desired, they can be sown in the hot-bed, or in boxes, or pots, in the window in March.

The descriptions of seeds are given as described by the grower, and as described in the foreign catalogues.

No charge for boxes or packing.

It would be better for purchasers to give us a little latitude in filling orders, allowing us to substitute in some cases.

SEEDS, BULBS, PLANTS, &c., BY MAIL.

TO ANY PART OF THE UNITED STATES WHERE THERE IS POSTAL COMMUNICATION,

The new postage law authorizes the sending of *Seeds, Bulbs, Roots, Cuttings, Plants, and Scions*, at the rate of *two cents* for every *four ounces* in weight—the weight of the package not to exceed *four pounds*. Under this law any of the *Seeds or Bulbs* named in this catalogue, will be mailed free of postage at the prices quoted, with the exception of *Peas, Beans, and Potatoes*, for which an additional remittance of eight cents for every pound is required.

I cultivate many kinds of plants, (as in the following) in small pots, to send to my customers by mail. They are healthy, well-rooted plants, though small; at the prices named, they are sent free.

PLANTS BY MAIL (POST PAID.)

NOS.		PRICE.
12	choice Verbenas,.....	\$1.50
25	“ “.....	2.75
12	“ Monthly Carnation Pinks,.....	3.00
12	“ Fuchsias,.....	2.00
12	“ Bedding Geraniums,.....	2.50
12	“ Heliotropes,.....	2.00
12	“ Lantanas,.....	2.00
12	“ Gladiolus,.....	1.75
12	“ Tea and Bourbon Roses,.....	3.00
6	Salvias,.....	.75
6	Feverfews,.....	.75
12	Double Tuberoses,.....	1.75
12	Chrysanthemums,.....	1.50

A handsome discount on plants, will be made on purchases of Ten Dollars, and upwards.

In sending out the above by mail free, it is only designed where at least one half of the number of each kind is taken. When they are taken promiscuously from the catalogue, the postage will be added to the catalogue prices.

Remittances can be made by draft, Post Office orders, or registered letters. If seeds or plants are not duly received, please give notice, and if there are any mistakes or omissions in filling orders, also give notice, and any error or omission will be promptly and cheerfully rectified, if in my power.

Address

J. H. PUNCHARD,

Seedsman and Florist,

SALEM MASS.

Containing only the most beautiful varieties, in packets in which are enclosed six, eight, ten, twelve, or more separate papers, each containing seeds of a different color or variety of the same plant, all in sealed packets, just as they are received from Europe.

No.		PRICE.
1	12 Splendid varieties, Quilled Asters,	\$.75
2	8 Finest " Reid's "	.60
3	4 Suberb " Globe flowering, white center	.50
4	10 Beautiful " " pyramidal	.75
5	6 Superb " Dwarf Boquet	.50
6	12 Superb " Truffant's Dwarf flowered pyramidal	1.25
7	10 Beautiful " " Pæony Perfection	1.00
8	12 Splend " " Globe Perfection	1.00
9	12 Finest " Pæony flowered Globe or Uhland	1.00
10	6 Superb " New Victoria	.60
11	6 Beautiful " Hedgehog, with white center	.60
12	6 Finest " " new Perfection	.60
13	12 Splendid " Globe Flowering	1.00
14	12 Superb " Dwarf pyramidal Boquet	1.00
15	8 Finest " Rose, large flowered	.75
16	4 Superb " Crown Pompon	.50

17	10	Finest varieties	Camelia	flowered	Balsams	-	-	-	1.00
18	12	Superb	"	Rose	"	"	-	-	1.00
19	4	Beautiful	"	"	new 1-2 dwarf	-	-	-	.50

20	12	Finest varieties large flowered	Ten weeks stock, pyramidal	-	1.00
21	18	" " " " " "	" " " " " "	-	1.50

22	10	Beautiful varieties dwarf Rocket Larkspur	-	-	-	.50
23	12	" " Petunias	-	-	-	1.00
24	10	Splendid " " new, double	-	-	-	1.50
25	6	Superb " " Scabious, new double	-	-	-	.40
26	6	Beautiful " " Double Zinnias	-	-	-	.60
27	12	Fine " " "	-	-	-	1.00
28	10	Superb " " Helichrysums	-	-	-	.60
29	12	Extra " " Chinese Primrose	-	-	-	1.50
30	6	Splendid " " Portulacca grandiflora, double	-	-	-	1.00

ACROCLINIUM. (*Annual.*)

A beautiful class of Everlasting flowers, fine for winter bouquets. They should be cut just as they begin to expand and dried in the shade.

31	Acroclinium, Roseum, rose color	-	-	-	-	IO
32	" alba, white	-	-	-	-	IO
33	" mixed	-	-	-	-	IO

ACONITUM. (*Monkshood*.) *Showy Hardy Perennials.*

NO.		PRICE.
34	Aconitum Mixed - - - - -	10

AGERATUM. (*Annual.*)

Valuable Plants for large beds or borders, and very useful for pot culture, very good for bouquets.

35	Ageratum Dwarf, white - - - - -	5
36	" " blue - - - - -	5
37	" Mixed - - - - -	5

ADULMIA, (*or Mountain Fringe.*)

38	Adulmia Cirrhosa, a beautiful hardy climbing plant of graceful habit. Hardy annual, 15 feet - - - - -	10
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AGROSTEMMA. (*Jove's Flower.*)

A very pretty plant, free grower, in good garden soil. Hardy perennial.

39	Agrostemma, mixed - - - - -	5
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ALONSOA.

These plants are very ornamental, either in the green-house, or grown as annuals in the open border during the summer, flowering freely from June until frost. Tender perennials.

40	Alonsoa grandiflora, (large flowered,) deep scarlet, 2 feet -	10
41	" Warszewiczi, bright crimson; from Chili, 1 1-2 feet -	10

ALYSSUM.

One of the most useful, free-flowering little plants either for growing in pots, on rock-work, or the open border, the annuals varieties blooming nearly the whole summer.

42	Alyssum Saxatile. Yellow, very showy, hard perennial - -	5
43	" Sweet (Mantama) A well-known fragrant little annual, from England - - - - -	5

AMARANTHUS.

Ornamental foliated plants, of an extremely graceful and interesting character, producing a striking effect, whether grown for the decoration of the conservatory or out-door flower garden. If the seeds are sown early, and planted out the last of May or in June, in rich soil, they make exceedingly handsome specimens for the center of beds, or mixed flower or shrubbery borders. Half-hardy annuals.

44	Amaranthus Melancholicus. New. A beautiful novelty, rivaling the Perrilla Nankinenses for groups and edgings; of dwarfer habit than the latter, and of a lively blood red-colored foliage - -	10
45	Amaranthus, Tricolor - - - - -	5

AMMOBIUM. (NAT. ORD., *Compositæ*.)

A fine everlasting plant, valuable for making dried winter bouquets; pretty for the garden.

46	Ammobium Alatum, white; from New Holland. Hardy annual, 2 feet -	10
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ANTIRRHINUM. (*Snapdragon.*) *Nat. Ord., Scrophulariaceæ*

The Snapdragon, or Antirrhinum, is one of our most showy and useful border plants. Among the more recently improved varieties of this valuable genus are large finely shaped flowers, of the most brilliant colors, with beautifully marked throats; will bloom the first season from seed, and are very effective in beds or mixed borders. Half hardy perennials.

47	Antirrhinum, Best, mixed - - - - -	10
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AQUILEGIA. (*Colombine.*)

This pretty and interesting varied genus of plants, scarcely meets with the amount of appreciation it deserves; it is an extremely showy and ornamental early summer flowering herbaceous plant, combining the most curious forms with the most beautiful and striking colors; succeeds in any garden soil. Hardy perennial.

NO.		PRICE.
48	Aquilegia, Mixed	10

ARABIS. NAT. ORD., *Cruciferae.*

An exceedingly early spring-flowering plant, contrasting beautifully in ribbons with the yellow Alyssum; valuable for rock-work, edging, &c., succeeding well in any good garden soil. Hardy perennial.

49	Arabis Alpina. Pure white; from Switzerland. 3-4 foot	10
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ARCTOTIS.

Handsome, showy, free-flowering plants, of close, compact dwarf habit with large beautiful flowers in the style of Gazania Splendens; continuing in bloom the whole summer, and growing freely in any rich soil. Half hardy perennials.

50	Arctotis Breviscarpa, deep orange, with dark center	10
51	" Sulphurea, sulphur color	10

ASTERS.

This splendid class of plants is not only one of the most popular, but also one of the most effective of our garden favorites, producing in profusion flowers in which richness and variety of color are combined with the most perfect and beautiful form; it is indispensable in every garden or pleasure ground where an autumnal display is desired. In our flower beds and mixed borders it occupies a deservedly prominent position, while for grouping or ribboning it stands unrivaled.

This beautiful class of plants has of late years been very much improved and has rapidly gained in popular favor, and now constitutes one of our finest autumnal flowers. Plant the seeds early in hot beds, or in pots or boxes and transplant to a deep rich soil six to twelve inches apart. The following list contains the finest in cultivation. All are double of the first quality.

GERMAN ASTERS.

52	Aster, Globe flowered, mixed	10
53	" Quilled, double	10
54	" Reid's Quilled, improved	10
55	" Bottz's new dwarf Boquet, about 8 inches high, mixed	10

TRUFFAUT'S NEW FRENCH ASTERS.

56	Aster, Truffaut's Pæony-flowered in 12 colors [mixed. A splendid variety	10
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PÆONY PERFECTION ASTERS.

ONE-HALF NATURAL SIZE.

57	Aster, Truffaut's, Pæony-flowered, Perfection, large and fine in colors mixed	10
58	" Truffaut's, Imbriqué, Pompon, one of the best, of pyramidal growth with medium-sized flowers, of the most perfect form very double and densely imbricated, colors mixed	10
59	" Truffaut's, new dwarf Pæony-flowered, Perfection, mixed	10
60	" " Globe Flowered, Perfection, in colors mixed	10

NEW ROSE FLOWERED.

NO.		PRICE.
61	Rose Asters. This new class possesses the most valuable qualities of the pyramidal section of Asters, being intermediate between the large flowered Imbrique Pæony Perfection of Truffaut ; about two feet high, very robust, with large flowers double, colors mixed	10
62	Aster, Globe, with white centre, in colors, mixed	10
63	" Hedgehog, white centre, colors mixed	10
64	" Imbrique Pompon, finely imbricated, mixed	10
65	" Globe flowered, mixed	10
66	" Pyramidal, flowered, (German) mixed	10
67	" New dwarf Boquet, pyramidal mixed	10
68	" New Emperior, (pyramidal form, enormous flower,) mixed	10
69	" Many of the above varieties, mixed	10

ARTEMESIA.

A very fine and most decorative plant.

70	Artemesia annual	5
71	" extra, St. Petersburg, (novelty of 1867,) fine	10

BALSAMS.

Magnificent conservatory or out-door plants, producing their gorgeous masses of most beautiful and brilliant colored flowers. Plant in deep, rich soil, and thin 12 inches apart ; water occasionally with manure water.

72	Balsam camelia, flowered, colors mixed, spotted and variegated	10
73	" new improved Rose Balsam, the best double, finely imbricated flowers, about two inches in diameter, colors mixed	10
74	" spotted Rose Balsams, colors mixed	10
75	" double mixed	10
76	" extra double dwarf, colors mixed	10
77	" white	10
78	" double dwarf camelia flowered, mixed	10

All the above Balsams are double, and the most splendid kinds in cultivation.

BARTONIA.

79	Bartonia Aurea (golden.) Flowers yellow, about an inch and a half across, which have quite a metallic lustre when the sun shines upon them ; very showy. 2 feet.	10
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BELLIS. (*Double Daisey.*)

A well known perennial. Many elegant varieties have been raised by saving the seeds from the handsomest kinds. They are admirable plants for making edgings, &c. Half-hardy perennial.

80	Bellis Perennis, extra fine, saved from named flowers	15
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BROWALLIA.

Very handsome profuse-blooming plants, covered with rich, strikingly beautiful flowers during the summer and autumn months : growing freely in any rich soil. Half-hardy annuals.

81	Browallia, Elata, mixed	5
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BRACHYCOME.

A beautiful free-flowering, dwarf-growing plant, covered, during the greater portion of the summer, with a profusion of pretty cineraria-like flowers, very effective in edgings, small beds, rustic baskets, or for pot-culture ; succeeding in any light, rich soil. Half-hardy annuals.

82	Brachycome, finest mixed	5
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(CACALIA. *Tassel Flower.*)

A beautiful annual, with a profusion of scarlet tassel-shaped flowers from July to October.

83	Cacalia, Mixed.	5
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CALCEOLARIA.

Plants of highly decorative character; an indispensable ornament for the drawing-room or conservatory. The shrubby variety is sometimes grown for in-door and sometimes for out-door decoration. They succeed in any light, rich soil. Half-hardy perennials.

NO.		PRICE.
84	Calceolaria Tigredia or spotted, from splendid collections	35

CANTERBURY BELLS.

The Canterbury Bells have long been known among our most ornamental garden plants. Their large bell-shaped flowers, which are freely produced throughout the summer, render them strikingly effective. As they are strictly biennials, it will be necessary to sow the seed every year. Hardy biennials.

85	Canterbury Bells, double white (Campanula Medium)	5
86	" " " blue	5
87	" " " mixed	5
88	" " " single mixed	5
89	" " " blue	5
90	" " " white	5

CANARY-BIRD FLOWER.

The popular name of this pretty little annual alludes to the supposed resemblance of the flower to a bird with its wings expanded, the spur of calyx representing the head, and the two upper petals the wings; blooms from June to October; from Mexico.

91	Canary-Bird Flower. Half-hardy annual; twenty feet	10
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CANNA, (*Indian Shot*)

These stately species of plants are highly ornamental in flower gardens, producing rich and Oriental effect by their large, broad, massive foliage and rich crimson and scarlet flowers. Though perennial, if sown early they will make luxuriant growth, and bloom the first season. In late autumn they should be carefully potted and allowed to mature their bloom in the green-house or parlor, and afterwards preserved in a cool dry cellar. In spring again start them into growth, and replant them in the open air last of May or first of June. Before sowing soak the seed in water at 125 deg. for about twelve hours.

92	Canna mixed	10
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CANDYTUFT.

Old, popular and beautiful hardy annuals, very useful for the border or for cut flowers, growing about one foot in height; sow early and thin to six inches apart.

93	Candytuft; white	5
94	" purple	5
95	" sweet-scented, pure white and fragrant	5
96	" mixed	5

CATCHFLY.

A showy, free flowering plant, for beds or borders, succeeds in any good garden soil.

97	Catchfly, red	10
98	" white	5
99	" mixed	5

CARNATION.

A magnificent class of popular favorites, most of them deliciously fragrant and with colors extremely rich and beautiful. The seed I offer may be

relied upon as being the finest, all having been selected expressly for me, from some of the best collections of prize varieties in Europe, producing mostly all double flowers. Hardy perennial.

NO.		PRICE.
100	Carnation, extra mixed, for border	20
101	" dwarf " early flowering.	10
102	" Picotee	15
103	" " mixed	10 X

CELOSIA.

Magnificent, free flowering, graceful growing plants, producing in the greatest profusion spikes of the most beautiful feathery-looking flowers. *C. argentea*, however, produces its flowers in spikes like a *Gomphrena*, but much longer, and if gathered when young they are valuable for Winter bouquets. Plants of the *Celosia* flower freely if planted out in June in a warm, sheltered situation; grown in pots, they are the most elegant of house and conservatory plants, where, with a little management, they may be had in flower the whole Winter, growing freely in rich loamy soil. Half-hardy annuals.

104	<i>Celosia</i> , <i>Christata</i> (coxcomb)	10
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CENTAUREA.

Very showy, free flowering border plants, succeeding in any common garden soil; annuals.

105	<i>Centaurea</i> , mixed	5
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CENTRANTHUS.

A very pretty, free-flowering, compact growing plant, very effective in beds, ribbons, or as an edging; grows freely in any common garden soil; a native of Grenada. Hardy annuals.

106	<i>Centranthus Albus</i> , a very pretty, white flowered variety; 1 ft	5
107	" <i>Carneus</i> , a new flesh colored variety, 2 ft	5
107½	" Mixed	5

CHRYSANTHEMUM (*Annual*)

The double-flowered, annual *Chrysanthemum*, are amongst the most showy and effective of summer flowering border plants; thin out to twelve inches apart.

108	<i>Chrysanthemum</i> , <i>Coronarum</i> , double white	5
108½	" " " yellow	5
109	" mixed	5 X

CINERARIA.

A well-known favorite free-flowering plant, which may be had in splendid bloom through the greater portion of the year, and, from the richness and diversity of its colors, is one of the most valuable of our spring flowers. Succeeds best in a light, rich, free and open soil.

110	<i>Cineraria</i> , finest, mixed dwarf	25
111	" <i>Martima</i> , silvery foliage, beautifully cut, an admirable bedding plant	10

CLARKIA.

A beautiful tribe of favorite plants, with pretty cheerful looking flowers, growing freely and blooming profusely under almost any circumstances; but when planted in rich soil, and properly attended to, they rank amongst the most effective of bedding plants, especially *C. intergripetala* and *Tom Thumb*, the former with large handsome flowers, the latter with a bushy habit, which makes it a fine pot as well as bedding

plant. The new double variety C. pulcella fl. pl. is a rich magenta color, and very handsome. Hardy annuals.

NO.		PRICE.
112	Clarkia, double white	5
113	" " purple	5
114	" " rose	5
115	" New double white	5
116	" Mixed	5

COBÆA.

- 117 Cobæa Scandens. A rapid-growing climbing plant, with large purple bell-shaped flowers, finely adapted for bedding out in summer; seeds should be sown early to secure well-established plants by the time the season arrives for planting out. Tender perennials. 20 feet 10

COMMELINA.

Very pretty, free flowering, tuberous-rooted plants, with rich, blue flowers, succeeding in any rich, light soil. The roots should be lifted and preserved like Dahlias through the winter. Half-hardy perennials.

118	Commelina Cœlestis, sky blue, from Mexico, 1 1-2 ft	5
119	" Variegated, striped blue and white	5
120	" Alba, white	5

CONVOLVULUS. Dwarf *Convolvulus* Nat. Ord. *Convolvulaceæ*.)

A beautiful, free-flowering, and remarkably showy class of plant, with exceedingly handsome, rich, colored flowers, producing in beds and mixed borders an unusually brilliant effect, either in distinct colors, ribboned or mixed.

121	Convolvulus Minor, Tricolor. Rich violet purple, white centre, trailer,	5
122	" Splendens, rich violet; white centre, trailer	5
123	" Striped, blue; beautifully striped with white, trailer,	5
124	" Flora Pleno, new double variety; from France	10
125	" Monstrossus, deep violet-purple flowers; extremely large and handsome trailer	5
126	" Subcærulens, dove color trailer, very pretty	5
127	" Splendissimus	5
128	" Mixed	5

CONVOLVULUS. Major. (*Morning Glory*)

129	Convolvulus Major, Tricolor	5
130	" " 6 colors mixed	5

COREOPSIS.

131	Coreopsis, mixed varieties.	5
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GYPRESS VINE. (*Ipomea Quamoclit*)

A tender climbing annual, with graceful foliage and scarlet flowers; seed should not be planted in open ground before the last of May or first of June. 15 feet.

132	Cypress Vine, scarlet	5
33	" " white, variety of the preceding	5
134	" " mixed	5

DATURA.

A tribe of highly ornamental plants, producing large, sweet scented trumpet-shaped flowers of the most attractive character, and succeeding well in most any rich soil. The roots may be preserved in and through the winter in a dry cellar. Half-hardy perennials.

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|-----|--|----|
| 135 | <i>Datura Wrightii</i> , splendid variety, with bell-shaped flowers, 6 to 8 inches long, white bordered with lilac | 10 |
| 136 | " <i>Humilis</i> fl. pl. (<i>chloianthe</i> fl. pl.) a magnificent plant, producing a profusion of deep golden yellow flowers, very large, double and sweet scented, continuing in bloom till frost sets in; from Texas, 2 ft | 10 |

DAHLIA.

Admirers of this noble plant may confidently depend upon the quality of this seed, it having been saved from the best varieties in cultivation. Half hardy perennials, of various light and colors, from Mexico.

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|-----|-----------------------------------|----|
| 137 | <i>Dahlia</i> , extra fine, mixed | 20 |
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DELPHINUM. (*Perennial Larkspur*.)

A highly ornamental genus of splendid profuse flowering plants, of an unusually high decorative character. When planted in large beds or groups, their gorgeous spikes of flowers, of almost endless shades, from pearl white to the very richest and deepest blue, render them the most conspicuous and striking objects in the flower garden or pleasure ground. They delight in deep rich soil. Hardy perennials.

- | | | |
|-----|---|----|
| 138 | <i>Delphinium Formosum</i> , blue, with white, fine | 5 |
| 139 | " Chinese, fine mixed | 5 |
| 140 | " Barlowi, versi-color | 15 |
| 141 | " <i>Elatum</i> , (Bee-Larkspur) | 5 |
| 142 | " Tricolor | 10 |
| 143 | " Hybridum, mixed | 10 |
| 144 | " <i>Madam Gules Bourgeois</i> , fine | 10 |
| 145 | " <i>Cheiranthiflorum Superbum</i> , double | 15 |
| 146 | " Mixed | 10 |

DIANTHUS. (*Nat. Ord. Caryophyllaceæ*)

A magnificent genus, which embraces some of the most popular flowers in cultivation. The Carnation, Picotee Pink, and Sweet William, all "household words," belong to this genus. *D. Chinensis* and its varieties may be considered the most beautiful and effective of our hardy annuals, the double and single varieties, with their rich and varied colors, in beds or masses, are remarkably attractive; while the recently introduced species, *D. Heddeggii*, with its large, rich colored flowers, two or three inches in diameter, close, compact habit, and profusion of bloom, is unsurpassed for effectiveness in beds or mixed borders.

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| 147 | <i>Dianthus Barbatus</i> , (see Sweet William,) fine mixed hardy perennial, 1 foot | 10 |
| 148 | " <i>Chinensis</i> , finest mixed double flowers, very large and showy, hardy annual | 5 |
| 149 | " <i>Plenissimus Pictus</i> , splendid sweet scented | 10 |
| 150 | " <i>Heddeggii</i> , color varies from the richest velvety crimson to the most delicate rose; flowers two to three inches in diameter, a magnificent variety, hardy annual, from Japan, 1 foot | 10 |
| 151 | " <i>Heddeggii</i> , fl. pl. as above, but double, hardy annual, from Japan, 1 ft | 10 |
| 152 | " <i>Heddeggii Hybridus</i> , (Benangs), double | 10 |
| 153 | " " <i>Atropurpurea</i> , (Benangs), dark red | 10 |
| 154 | " " <i>Alba Grandiflorus</i> , double, white | 10 |

NO.		PRICE.
155	<i>Dianthus Laciniatus</i> , white, flesh, rose, red, carmine, violet, purple and rich maroon, double and beautifully fringed, two or three inches in diameter, hardy annual, from Japan, 2 ft	10
156	" fl. pl. as above, but double, hardy annual, from Japan, 2 ft	10
157	" <i>Heddewigii</i> , kinds mixed	10

DIGITALIS. (*Fox Glove*.)

The *Digitalis* are too well known to need description. They are all useful and ornamental for general flower-garden purposes, and may be introduced into the shrubbery with fine effect, as their tall, spire-like spikes crowned with their large thimble or bell-shaped flowers, will contrast finely with the green foliage of the shrubs. They are all hardy biennials, from three to four feet high.

158	<i>Digitalis</i> purple	5
159	" white	5
160	" mixed	5

DICTAMUS, or FRAXINELLA.

Handsome, very fragrant, free-flowering, herbaceous plants, suitable for mixed borders; succeed in any common soil. The seed frequently remains dormant for several months. Hardy perennial.

160½	<i>Fraxinella</i> , mixed	5
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ETERNAL, or EVERLASTING FLOWERS.

(*HELICHRYSUM*.) *Compositæ*.

A very ornamental border plant, the blossoms of which are extensively used for winter bouquets. Hardy annual.

161	Eternal flowers, many varieties and species mixed, (<i>see Helichrysum and Xeranthemum</i>)	10
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ESCHSCHOLTZIA.

An exceedingly showy, profuse flowering class of plants, with extremely rich and beautiful colors; attractive for bedding, massing or ribboning; *E. tenuifolia* is remarkably neat for small beds, edgings, or rockwork; delights in light rich soil. Half-hardy perennials.

162	<i>Eschscholtzia</i> California, bright yellow, with rich orange centre, from California, 1 ft	5
162½	" <i>Crocea</i> , alba, creamy white, from California, ½ ft	5
163	" <i>Rosea</i> , rose color	5
163½	" Mixed	5

EUTOCA.

Showy free-flowering plants, suitable for beds or mixed borders; *E. Wrangeliana* flowers very early and is very attractive; succeeds in any light soil. Hardy annuals.

164	<i>Eutoca alba striata</i> , white striped blue, 1 ft	5
165	" <i>viscida</i> , bright blue, from California, 1 ft	5

ERYSIMUM. (*Nat. Ord. Cruciferae*.)

Very showy, free-flowering, handsome, hardy annuals, very effective in beds, mixed borders, or ribbons; succeed in light rich soil. Hardy annuals.

166	<i>Erysimum Arkansanum</i> , sulphur yellow, very handsome, from North America, 1½ ft	5
167	<i>Euphorbia</i> , variegated	5

GAILLARDIA.

Splendid bedding plants, remarkable for the profusion, size and brilliancy of their flowers, continuing in beauty during summer and autumn; thriving in any light rich soil.

- 168 Gaillardia, mixed 5

GERANIUM—BEDDING.

- 169 From a choice selection 12

GENTIANA.

Very useful herbaceous plants. *G. acaulis*, which has large deep blue Gloxinia shaped flowers, if sown in deep rich loam makes a splendid edging in early summer; all the small kinds make interesting rock plants. Hardy perennials.

- 170 Gentiana, mixed 5

GEUM.

Handsome, free flowering, and remarkably showy plants, for mixed or shrubby borders, from Chili. Hardy perennials.

- 171 Geum, mixed 10

GILIA.

This is a very pleasing family of annuals, may be sown at any time, and will bloom in almost any situation. The flowers are disposed in panicles or clusters, and from its neat growth, it is admirably adapted for culture either in masses or detached patches. The three colored variety is the prettiest, and lasts the longest in bloom. Hardy annual.

- 172 Gillia, Alba, a very fine variety, with pure white flowers 5
 173 " Tricolor, yellow eye, surrounded by a purple ring bordered by a pale blue 5
 174 " delicate rose colored variety of this well known annual 5
 175 " Mixed 5

GODETIA.

All the varieties of Godetia are well worth growing, and, indeed, no garden can be said to be complete without them; their profuseness of bloom and delicate tints of color have long rendered them universal favorites.

- 176 Godetia mixed 5

GLADIOLUS.

- 177 25 Bullbets, mixed. Plant them in April, 1 1-2 inches deep, and the second year most or all will flower 10
 178 Gladiolus seed, saved from a large and choice collection 10

GLOBE AMARANTHUS.

The Globes are well known, and much admired for their ornamental effect in the garden, are highly prized for their heads of flowers, which if gathered before they are too far advanced will retain their beauty for several years. The seeds are rather slow to vegetate in the open ground, the orange in particular, which seldom starts without bottom heat and then very reluctantly. Tender annual.

- 179 Globe Amaranthus (*Gomphrena*), purple, fine, 2 feet 5
 180 " " Variegated 5
 181 " " White 5
 182 " " Orange 5
 183 " " Flesh color 5
 184 " " Mixed 5

GYPSOPHILA.

A pretty free-flowering, elegant little plant, best adapted for rustic rock-work, baskets and edgings, succeeding in any garden soil. Hardy annuals.

- 185 Gypsophila Elegans, white and pink, from Crimea. 1 1-2 feet 5
 186 " Murahs, a charming little plant covered with pretty little red flowers, which contrast beautifully with its extremely graceful foliage, suitable for small beds, baskets or rock-work, continues flowering 4 or 5 months, from Germany, 1 1-2 feet 5

HELICHRYSUM. (*Eternal Flowers.*)

The Helichrysum are very ornamental in the garden, and much admired on account of the beauty of the flower when dried, which if gathered when they first open, and carefully dried, will retain their form and color for years. They are highly prized for winter mantel bouquets and ornaments for vases. Hardy annuals; from New Holland.

- 187 Helichrysum, red, white, yellow, rose color and purple, double mixed 10
 188 " Double dwarf, colors mixed 10
 189 " " " flore pleno, extra, mixed 10

HELIPTERUM.

190 Helipterum Sanfordi, pretty, dwarf-tufted everlasting, with small neat foliage, and large, globular clusters of bright, golden yellow flowers. As it grows luxuriantly in the open border, and the flowers are excellent for winter bouquets, it is a very valuable acquisition; from Australia 10

HOLLYHOCK.

The great improvement that has been made in this fine old flower within a few years, has now placed it among the most popular flowers of the day; its stately growth and magnificent spikes of flowers being among the most attractive objects of the garden. It flowers the second and third year after sowing, and then dies unless it is kept up by cuttings or divisions of root. Seeds sown in January will produce plants which will flower the same year. Hardy perennial.

- 191 Hollyhock, splendid, English, varieties mixed 15

IPOMEA. (*Convolvulus*)

A genus of beautiful climbing plants, which for the adornment of the conservatory and greenhouse, or for warm, sheltered situations out of doors, are pre-eminently beautiful, many of them combining marvelously brilliant colors with pure white margins, and varying in shade from the most intense violet-blue to the cerulean. All the varieties are splendid and should be extensively cultivated. The perennial species are invaluable for greenhouse decoration. Tender annual. Sow early.

- 192 Ipomea Coccinea (Star Ipomea). Fine scarlet 5
 193 " Atroviolacea. Violet, bordered with pure white, superb 10
 194 " Elegantissima. One of the finest of all the Ipomea; blue, with intense purple centre in the form of a star; pure white margin 10
 195 " Limbata—Elegantly blotched with white. 20 to 15 ft 10
 196 " Nil Grandiflora, white 10
 197 " Quamoclit. (See Cypress Vine) 5

IPOMOPSIS (*Standing Cypress.*)

Remarkably handsome, free-flowering plants, with long spikes of dazzling orange and scarlet flowers; very effective for conservatory and out-door decoration; succeeds in light rich soil; Half-hardy biennial.

198	Ipomopsis Aurantica; orange, from Carolina, 3 ft	10
199	" Elegans; scarlet, from Carolina	10
260	" Above mixed	10

JACOBIA. (*Senecio.*)

A useful and exceedingly showy class of gay-colored profuse-blooming plants, of the easiest culture: remarkably effective in beds or ribbons; delights in a light, rich soil. Hardy annual.

201	Jacoea, white double	10
202	" Crimson, double	10
203	" Dark-blue, double; $\frac{1}{2}$ ft	10
204	" Purple, double	10
205	" Above, mixed]	10

KAULFUSSIA.

A beautiful little annual, resembling an Aster, the ray florets of which curl curiously back after it has been expanded a short time. Half-hardy annual.

226	Kaulifussia Ameloides, blue	5
207	" Rosea, rose color	10

LANTANA.

A remarkably handsome, free-flowering genus of plants, with brilliantly colored flowers constantly changing in hue, very effective either for pot culture or for bedding purposes; when planted out, except in dry soil, the plants will bloom more profusely if retained in their pots and plunged where intended to flower.

208	Lantana, pl. var., finest varieties mixed	10
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LATHYRUS. (*Everlasting Pea.*)

209	Lathyrus Alba, white	10
210	" Rosea, rose colored	10

LARKSPUR.

One of the generally cultivated and ornamental genus of plants, combining unusual richness with an endless variety of colors, all of which are extremely beautiful and pleasing. The flowers are produced in the greatest profusion, and are in beds of striking effect.

211	Larkspur, Dwarf Rocket, finely mixed in ten colors	5
212	" Tall Rocket, same as preceding, except being taller, in ten colors	5
213	" Hyacinth flowered. Finest mixed in ten colors	5
214	" Stock flowered, mixed	5
215	" Branching Tri-color	5

LEPTOSIPHON.

A charming tribe of our most beautiful annuals

216	Leptosiphon, hybridus, new French hybrids, comprising every variety of color, dark maroon, orange, crimson, violet, lilac, purple, golden yellow and white	10
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LOBELIA.

A most elegant and useful genus of dwarf plants, of easy culture; well adapted for bedding, edging, pots or rockeries. Lobelias, in fact, are employed as universally in the general summer-garden as scarlet geraniums, to beds of which they form a neat and effective edging. The varieties of *Lobelia Erinus* are generally used for this purpose.

- 216½ *Lobelia Erinus*, mixed 10

LOPHOSPERMUM.

An elegant and highly ornamental genus of climbers, with handsome and showy fox glove like flowers; very effective for conservatory, greenhouse or garden decoration, and may be used with advantage for hanging baskets; will bloom the first season from seed. Half-hardy perennials.

- 217 *Lophospermum Scandens*, rosy purple 10

LUPINS.

A splendid genus of the most ornamental, beautiful and free-flowering of garden plants, with long, graceful spikes of bloom; colors rich and varied. Many of the varieties are of stately, robust growth, which makes them exceedingly valuable for mixed flower and shrubby borders, while the dwarf varieties make neat, trim, bedding plants.

- 218 *Lupins*, Affinis, blue, white and purple, pretty, hardy annual 5
 219 " *Alba*, Coccinea, rich rosy red, half way of the spike, from thence to the Apex, pure white, annual 10
 220 " *Hybridus insignis*, dark purple, white and yellow, changing to a purple lilac, annual 5
 221 " *Hybridus Atro Coccineus*, dark red, annual 5
 222 " *Hartwigii Cœlestus*, sky-blue, new and fine annual 5
 223 " *Mutabilis Vari-color*, changeable, white, lilac and yellow, annual 5
 224 " Above varieties mixed, annual 5
 225 " *Pollyphyllus*, hardy perennials 5
 226 " " *Alba*, white 5
 227 " " *Atroco*, ceruleus, dark blue 5
 228 " " *Lilacea*, lilac 5
 229 " " *Bicolor* 5
 230 " " *Mixed* 5

LYCHNIS.

A genus of handsome and highly ornamented plants of easy culture. *Lychnis Chalcedonica* is strikingly effective in mixed flowers and shrubby borders. *Lychnis Viscaria Splendens* and *Lychnis Haageana* are extremely beautiful. They succeed in any good rich soil. Hardy perennials.

- 231 *Lychnis Fulgens*, bright scarlet, from Siberia, 1 1-2 feet
 232 " *Sieboldi*, white, fine, 1 1-2 feet 15
 233 " *Hybrida*, mixed fine 15
 234 *Madaria Elegans*, bulbs 10

MALOPE. NAT. ORD., *Malvacea*.

Handsome plants, of branching habit, producing their large flowers in great profusion; very effective in mixed borders.

- 235 *Malope Grandiflora*, mixed 5

MARIGOLD.

A tribe of magnificent, free-flowering plants, with double flowers of rich and beautiful colors, producing a splendid effect, whether planted in beds, borders, or ribbons. The African, the tallest, is the most striking in

large beds, mixed flower and shrubby borders. The dwarf French, used as a foreground to taller plants, is invaluable. The new brown and orange miniature French varieties make splendid compact edgings to beds or borders. The seeds I offer have been saved from the most double flowers, and cannot fail to give satisfaction. Half-hardy perennials.

236	Marigold, African, mixed	5	X
237	" French, dwarf, beautifully striped, 1 foot	5	
238	" " brown, 1 foot	5	X
238½	" " yellow, 1 foot	5	

MAURANDYA

These superb climbers cannot be too strongly recommended; they are particularly adapted for green-house or conservatory decoration, or for training in columns in the flower garden; be careful to remove them before the approach of frost. Half-hardy perennials.

239	Maurandya Barclayana, deep violet, beautiful dwarf climber	10
240	" " alba, pretty white variety	10
241	" " coccinea, scarlet	10
242	" mixed	10

MIMOSA. *Sensitive Plant.*

Very curious and interesting plants, the leaves closing if touched or violently shaken; may be grown out of doors in a warm situation; succeed in peat and loam. Half-hardy annual.

243	Mimosa pudica, (the true Sensitive Plant,) pinkish white, from Brazil, 2 feet	10
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MALVA OR MALLOWS. (*Nat. Ord., Malvaceæ.*)

Showy free-flowering border-plants; succeeding in any garden soil. Hardy annuals.

244	Malva Minita, pretty	5
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MIGNONETTE.

A well-known fragrant favorite, which produces a pleasing contrast to the more showy occupants of the parterre. It well thinned out immediately the plants are large enough, they will grow stronger and produce larger spikes of bloom. The seed should be scattered about shrubby and mixed flower borders, where it grows rapidly. Hardy annuals.

245	Mignonette, (<i>Reseda Odorata</i>), from Barbary, 1 1-2 feet, 30 cents per ounce	5
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MIMULUS. (*Monkey Flower.*)

A genus of extremely handsome profuse-flowering plants with singularly shaped and brilliantly colored flowers, which are distinguished by their rich and strikingly beautiful markings. Seeds sown in spring make fine bedding plants for summer blooming, while seed sown in autumn produce very effective early-flowering green-house plants. Half-hardy perennials.

246	Mimulus Pardina (<i>Tigrinoides</i>). An extremely beautiful new blotched and spotted hybrid, of <i>Mimulus Cupreus</i> and <i>Luteus</i> having the dwarf-spreading habit and glossy foliage of the former, with large finely shaped flower of a rich golden-yellow ground color, blotched and spotted in a most striking manner with coppery maroon, a splendid mixture	10
247	Mimulus Cupreus. A new species, six or eight inches high, with handsome, glossy foliage and large finely formed, orange scarlet flowers; very free flowering, valuable for beds and borders	10
248	New splendid double varieties, (of Mr. Bull,) spotted constant	50
249	Maximus, largest flowering from named sorts	20

MESEMBRYANTHEMUM. (*Nat. Ord., Ficoideæ.*)

A brilliant and profuse-flowering tribe of extremely pretty dwarf-growing plants; strikingly effective in beds, edging, rock-work, rustic baskets, or vases, in warm sunny situations; also for indoor decoration, if grown in pots, boxes, or pans. Succeeds best in dry loamy soil. Half-hardy annual.

250	Mesembryanthemum Capitatum.	Yellow, 1 foot	5
251	"	Crystallium (Ice-plant.) White, half foot	5

MARVEL OF PERU.

252	Marvel of Peru.	Splendid varieties mixed, including all the finest sorts; very picturesque and diversified colors, finely contrasted with its dark green, glossy foliage, and densely branching habit; blooming throughout the summer and autumn months, 2 feet	5
253	"	foliis variegatus (Benary)	5

MYOSOTIS. (*Forget-me Not.*)

These beautiful little flowers are too well known to need recommendation, will grow around fountains, over damp rock-work, or in any moist situation. Hardy perennial.

254	Myosotis mixed		10
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NASTURTIIUM. (*Tropaeolum Majas.*)

This is a well-known ornamental annual, of easy cultivation. It flowers best in a light soil. It looks well trained to a trellis or over a wall. The variety with crimson or blood-colored flowers makes a fine contrast with orange. The seeds are used as a substitute for capers and the flowers sometimes eaten as salads. Half-hardy annuals.

255	Nasturtium Schenermanni.	Straw color striped with brown	5
256	"	coccineum, straw-colored, blotched and streaked with red, beautiful	5
257	"	Coccineum, scarlet	5
258	"	Dunetti, orange	5
259	"	Regianum, purple, violet, fine	10
260	"	Ed. Otto, bronze, colored, silk glittering, fine	10
261	"	Atropurpurea, dark, blood crimson	5
262	"	Mixed	5
263	"	Lobbianum, greenhouse climber, varieties mixed	10

NASTURTIIUM. (*Tropaeolum Minor.*)

The dwarf improved varieties of the Nasturtium are among the most useful and beautiful of garden favorites for bedding, massing or ribboning, and rank with the Geranium, Verbena and Calceolaria. Their close, compact growth, rich colored flowers, and the freedom with which they bloom, all combine to place them in the category of first class plants. The Tom Thumb varieties are distinguished favorites as are also the old crimson and the new Crystalpalace Gem. Half-hardy annual

264	Nasturtium Tom Thumb, scarlet		10
265	"	" beauty	10
266	"	" rose	10
267	"	" (pearl) white	10
268	"	" yellow	10
269	"	Mixed	10

All the above kinds are dwarf.

NEMESIA.

Exceedingly pretty and profuse blooming plants. Half-hardy annual.

270	Nemesia, mixed		5
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NEMOPHILA.

This is perhaps the most charming and generally useful genus of dwarf growing hardy annuals. All the varieties have a neat, compact, and uniform habit of growth, with shades and colors the most strikingly beautiful, so that ribboned, sown in circles, or arranged in any style which the fancy may suggest, the effect is pleasing and very striking. They are also very useful for pot culture. Hardy annuals.

- 271 Nemophila, mixed 5

NIEREMBERGIA. (*Nat. Ord. Solanaceæ*)

Profuse-blooming, elegant and charming little plants, exceedingly valuable for small beds, edging and rustic baskets or vases. Half-hardy perennials.

- 272 Nierembergia Garcilis, White veined with lilac, from Uruguay, 15
1-2 feet
273 " Frutescens, large flowering 25

OBELISCARIA.

Bold, showy plants, with rich colored flowers and curious acorn-like centres; succeed in any common garden soil. from Texas. Half-hardy perennials.

- 274 Obeliscaria Pulcherrima, rich velvety crimson, edged and tipped with yellow. Half foot 5

OENOTHERA.

A magnificent genus, one of the most useful and beautiful either for beds, borders, edgings or rock-work. All the varieties are free flowering and most of them perennials. The most remarkable of the perennial kinds are *O. grandiflora* Lamarckiana, with superb spikes of large flowers.

- 275 Oenothera Lamarckiana, bright yellow flowers, three to four inches in diameter, flowers profusely 10
276 " Mixed 10

PANSY. (*Heartsease or Viola Tricolor.*)

The Pansy or Heartsease is a general favorite and old acquaintance with every one who has anything to do with a flower garden. It begins to open its modest but lively flower as the snow clears off in the spring, and continues to enliven the garden till snow comes again. The flowers are in the greatest perfection in May and June; the burning sun of summer is unfavorable for their beauty, but in autumn they are fine again. The Pansy is properly a biennial, but can be perpetuated by cuttings or division of the roots. Seeds sown in August, in the open borders, will come up readily in a few weeks. The seeds should be slightly covered with fine soil, if covered at all, as half the seeds sown rot in the ground from being covered too deep. As soon as they expand the second set of leaves, they should be planted out into beds; if planted in the spring, they should not be allowed to flower until late in the fall; the buds should be picked off during the summer, which will make the plants bushy and compact. They require to be covered during the winter with evergreen boughs, or a cold frame. The following seeds were selected by some of the most celebrated European florists from prize collections, and we can recommend them as first-class in every respect.

- 277 Pansy. From named flowers 10
278 " Tricolor large eyed, mixed 15
279 " yellow, pure yellow, constant 10
280 " white, pure 10
281 " marbled, (*maxima marginata*) purple, all the new colors, very fine 15
282 " Faust, King of the Blacks, deep pure coal black color 10
283 " mixed 10

PETUNIA.

A highly ornamental and profuse-flowering, easily cultivated garden favorite, equally effective and beautiful whether grown in pots for the decoration of the green-house and sitting-room window, or planted out in beds or mixed borders. The brilliancy and variety of its colors, combined with the duration of its blooming period, render it invaluable. Seeds sown in spring make fine bedding plants for summer and autumn display; succeeds in any rich soil. Half-hardy perennials.

284	Petunia	Hybrida, finest mixed varieties	10
285	"	Grandiflora Hybrida, mixed, from the finest named flowers, large	15
286	"	Flore Pleno, (double flowering,) received from a celebrated German florist, fertilized with the finest double variegated variety	25
287	"	Mixed	10

PEAS. (*Sweet.*)

The Sweet Peas are among the most popular annuals which enrich the flower garden. They may be planted and trained on sticks the same as common peas, or they may be sowed along the sides of fences, forming a highly ornamental covering; in any situation they are always admired.

288	Sweet Peas	purple	5
289	"	white	5
290	"	red striped	5
291	"	red and white	5
292	"	red, dark	5
293	"	black purple, striped	5
294	"	blue, light and purple	5
295	"	Capt. Clark's	5
296	"	invincible, scarlet	5
297	"	mixed	5

PHLOX DRUMMONDII.

This magnificent genus of plants is unrivaled for richness and brilliancy of colors, profusion and duration of blooming. They are unsurpassed for bedding or pot culture, and produce a splendid effect in mixed borders. No garden should be without these beautiful plants; succeeds in light rich soil. Hardy annual.

298	Phlox Drummondii	Alba, white	10
299	"	" Coccinea, pure deep scarlet	10
300	"	" Wilhelm, crimson, white stripes, splendid	15
301	"	" Isabellini, light yellow	10
302	"	" Leopoldi, rose, with white eye	10
303	"	" blue, white eyed	10
304	"	" mixed	10

PORTULACCA.

In praise of the charming flowers it is impossible to speak too highly; it may be safely affirmed that a garden without them is devoid of its brightest ornaments, for the Portulaccas are unsurpassed for brilliancy and richness of color.

305	Portulacca, pl. var., finest mixed varieties, all colors, 5 t-2 feet	5
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NEW DOUBLE FLOWERING PORTULACCA.

Portulacca Grandiflora fl. pl., (*Double Flowering Portulacca.*) One of the most desirable novelties introduced for many years. The seeds are selected from the finest double varieties. of the most brilliant colors, of *scarlet, crimson, white, buff, variegated* and *yellow*, of various shades, which will produce a large proportions of double flowers from one to two inches in diameter, resembling roses in appearance; seeds scarce.

306	Portulacca fl. pl., mixed	25
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POTENTILLA.

These are very handsome herbaceous plants, and from their hardiness and showy character are exceedingly useful and ornamental. They may be employed to advantage in filling up vacant nooks and corners. Even in single plants and in all situations, their neatness of foliage and long duration in bloom render them objects of much beauty. Hardy perennials.

- 307 *Potentilla*, finest double mixed 15

POLYANTHUS.

Splendid Spring flowering plants, either for pot culture or the open border; from Britain. Hardy perennials.

- 308 *Polyanthus*, splendid mixed, from florists' flowers, 3-4 ft 15

POPPY.

A tribe of remarkably showy, free-flowering plants, producing a rich and effective display in large mixed borders, in shrubberies or select plantations; grow freely in any soil. Hardy annuals.

- 309 *Poppy*, double in 12 colors, mixed 5

PHLOX DECUSSATA. (*Nat. Ord. Polemoniaceæ*)

One of the finest of herbaceous plants, for beds or mixed borders. The seed offered is saved from fifty of the newest and best varieties. Hardy perennials.

- 310 *Phlox decussata*, fines: hybridized varieties 10
311 " fine mixed 10

PODOLEPIS. (*Nat. Ord. Compositæ.*)

A genus of very pretty, graceful, free-flowering plants, succeeding best in light, rich soil, and producing a fine effect in beds or mixed borders. Half hardy annual.

- 312 *Podolepis affinis*, a new variety from Australia, flowers large, beautiful yellow, 1 ft 5
313 *Podolepis chrysantha*, yellow, from New South Wales, 1 ft 5
314 " *gracilis*, pink, from New South Wales, 1 ft 5

PRIMULA. (*Chinese Primrose.*)

A charming, profuse flowering plant, indispensable for winter and spring decoration in the conservatory; the seed we offer has been saved from flowers remarkable for their size, color, and perfect form; to which was awarded a first-class medal at the London exhibitions; succeeds best in sandy loam and leaf mould. Half hardy perennials.

- 315 *Primula Macrophylla*. Remarkable new variety, with long, massive foliage, and beautiful large flowers, of great substance, beautiful form, and finely fringed, of a rich purplish-carmine, with pentagonal, large yellow eye, surrounded by a brown zone; very conspicuous and splendid acquisition; comes true from seed 50
317 *Primula Chinese*, fl. alba pl', double white Chinese Primrose; pure white 50
317 " " fl. rubro pl. double red Chinese Primrose 50
These two varieties are very constant by seed.
318 *Primula Chinensis*, striata, beautifully striped 50
319 " " alba, white 25
320 " " rubra, red 25
321 " " good mixed 25

PYRETHRUM. (*Nat. Ord., Compositæ.*)

Handsome, free-flowering, highly ornamental plants, producing a fine effect in the mixed flower and shrubbery borders. Hardy perennial

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| 322 | <i>Pyrethrum Roseum</i> , rose color, double | 20 |
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RHODANTHE.

A charming class of everlasting flowers of great beauty, valuable for winter bouquets.

- | | | |
|-----|---|----|
| 323 | Rhodanthe Manglesii, bright rose | 10 |
| 324 | " Maculata, rosy purple, larger than the above and more
hardy, | 10 |
| 325 | " beautiful | 10 |

RICINUS. (*Castor Oil Bean.*)

A magnificent and highly ornamental genus. The picturesque foliage and stately growth, combined with brilliant-colored fruit, of the new varieties, impart to select plantations, shrubberies and mixed flower borders, quite an Oriental aspect. In the gardens around Paris they form one of the principle features of attraction; and if planted out and grown as single specimens on our lawns and pleasure grounds, as an ornamental, foliage plant, they would form a new and striking feature. Half-hardy annuals.

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|-----|------------------------------------|--|----|
| 326 | <i>Ricinus Africanus</i> Hybridus. | Rose-colored hybrid; very handsome, new, 7 ft | 15 |
| 327 | " | Giganteous. Plants and leaves of enormous size, new, 12 ft | 15 |
| 328 | " | Borbinienensis Aboreus, very large, 15 ft | 15 |
| 329 | " | mixed | 10 |

SALPIGLOSSIS.†

The *Salpiglossia* are beautiful annuals, with very picturesque and richly colored, erect lobed, funnel-shaped blossoms; colors beautifully marbled purple, scarlet, crimson, clear yellow, and buff, with elegant shades of blue. The dwarf varieties form a very desirable section of this pleasing flower. Half-hardy annual.

- 330 *Salpiglossis Variabilis*. New, large flowered, mixed, extra 10

SANVITALIA.

- 331 *Sanvitalia Procumbens* Flore Pleno. It forms a very densely branched plant, completely covered with small perfectly double yellow flowers, of the size of the Featherfew. As with the *Zinnia*, the double variety has much larger flowers than the singled flowered species; and being double to the centre, the black disk of the single is lost, and the color is uniform golden yellow. Rather more robust in growth than the single, but otherwise similar. The mass of large flowers stand so closely together, that a bed or border of it is, by its brilliancy of color, a conspicuous object at a great distance. As a bedding plant it is quite a gem, and a most valuable addition to the number of plants; useful for fresh or dried bouquets. 10

SALVIA.

Strikingly ornamental plants for conservatory and out-door decoration, growing freely in any light rich soil, and producing a magnificent effect in beds, ribbons or edgings, where their beautiful spikes of bloom are produced in the greatest profusion. They all bloom the first season from seed. Half-hardy annual.

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|-----|--|----|
| 332 | <i>Salvia Coccinea</i> , small, bright scarlet flowers, very pretty for beds | 10 |
| 333 | " <i>Splendens</i> , scarlet | 10 |

SAPONARIA. (*Nat. Ord., Carryophyllaceæ.*)

One of the best and longest blooming of all dwarf annuals, producing masses of minute cross-shaped blossoms; admirable for bedding.

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|-----|------------------|---------------|-----------------------|---|
| 334 | Saponaria Rosea. | Rose colored. | Half foot | 5 |
| 335 | " | Alba. | Pure white. Half foot | 5 |

SCABIOSA OR MOURNING BRIDE. (*Sweet Scabious.*)

Handsome, showy plants for mixed borders, flowers beautifully variegated.

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|-----|------------------------------|---|----|---|
| 336 | Scabiosa atropurpurea major, | finest mixed, half-hardy perennial, | 6 | |
| | | colors | | 5 |
| 337 | " | dwarf, 6 varieties | | 5 |
| 338 | " | dwarf, new double (Novelty, Benary,) large, extra fine, mixed | 10 | |

SCHIZANTHUS.

An exquisitely beautiful tribe of plants for green-house; they should be sown in September; from Chlii. Half-hardy annuals.

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|-----|-------------------|--|---|
| 339 | Schizanthus Mixed | | 5 |
|-----|-------------------|--|---|

SILENE, SEE CATCHFLY.

STEVIA.

Mexican perennials, with tufts of very pretty white or pinkish flowers, which should be grown in sandy peat; fine for pots or borders. Tender perennials.

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|-----|-------------------------|--|----|
| 340 | Stevia Lidleyana, white | | 10 |
|-----|-------------------------|--|----|

STOCKS. (*German.*)

The Stock Gilly-flower is one of the most powerful, beautiful and important of our garden favorites, and whether for bedding, massing, edging, or ribbening, it is unsurpassed, either for brilliancy and diversity of color, or profusion and duration of bloom.

The Ten Week Stock is the most universally cultivated, and usually blooms ten or twelve weeks after being sown. They grow from six to fifteen inches high, and when cultivated in rich soil, and occasionally watered with weak guano water, throw out an immense quantity of lateral spikes of bloom so that each plant forms a perfect boquet; and it would, indeed be difficult to surpass the grand effect produced in beds or ribbons by these exquisite gems. Hardy annuals.

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|-----|--|--|----|
| 341 | Stocks early Ten weeks, White | | 10 |
| 342 | " " " " Blood red | | 10 |
| 343 | " " " " Above varieties, mixed | | 10 |
| | From one-half to two-thirds come double. | | |
| 344 | Large flowering dwarf Ten Weeks Stock, White | | 10 |
| 345 | " " " " " Rose | | 10 |
| 346 | " " " " " Mixed | | 10 |

SWEET WILLIAM.

A useful and well known tribe of plants, perfectly hardy, and easily raised from seed—a bed of fine varieties presenting a rich sight; it sports into endless varieties; viz:—pink, purple, crimson, scarlet, white, variously edged. Our seeds were saved from the finest named varieties, which we can confidently recommend as superior to anything ever before offered in this country. Hardy perennials.

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|-----|-----------------|--|----|
| 847 | Sweet Williams. | Fine double mixed | 10 |
| 348 | " | Auricula flowered. New. This is one of the most durable, differing from other varieties only in the markings of the flowers, which closely resemble the Auricula. The flowers have a large white disc, with a broad middle zone of rich crimson purple and violet; trusses large and perfect. Double | 10 |

- 349 " Hunt's Perfection. Saved from Tragg's finest strain in cultivation; has taken the first prize at all the London exhibitions the past season; truly gorgeous in size, color and variety. 10

THUNBERGIA.

- Extremely ornamental climbers, much admired, very free bloomers, good for trellis, stems of trees, and in the green-house, or out of doors in summer in a warm situation. Tender annual
- 350 Thunbergia Alata, winged buff, with dark eye, 4 to 6 feet 5
 351 " Aurantiaca, bright orange. dark eye, 4 to 6 feet 5
 352 " Bakerii, fine white, 4 to 6 feet 5
 353 " Mixed 5
 TROPÆOLUM, (see Nasturtium).

VERBENA.

- A charming genus of universally admired and easily cultivated plants, simply requiring the treatment of half-hardy annuals to have them bloom during the summer; for winter decoration they are invaluable. Half-hardy perennial.
- 354 Verbena Hybrida, from finest named sorts, extra mixed, 1st quality 25
 355 " " fine, mixed 10

VISCARIA.

- A genus of remarkable pretty profuse-blooming plants, producing a striking effect in beds, ribbons, or mixed borders, growing freely in any good garden soil. Hardy annuals.
- 356 Viscaria Cardinalis 5

VIOLA.

- 357 Viola cornuta, purple Queen, flowers all the year around 10
 358 " " Mauve Queen " " " 10
 359 " " The Czar, very large flower 10

WHITLAVIA. (*Nat. Ord., Hydrophyllacæ.*)

- One of the most charming California annuals, very effective for bedding, ribboning, or mixed borders, grows freely in any soil.
- 360 Whitlavia Grandiflora, fine violet blue, hardy annual, from California, 1 foot 5

XERANTHEMUM.

- Remarkably showy, free-flowering, everlasting, valuable for Winter bouquets. Hardy annuals.
- 361 Xeranthemum Annum fl. alba, pl., double white 10
 362 " Cœrulea pl., double purple 10
 363 " compacta, new dwarf, purple 10
 364 " fl. alba compacta, dwarf, white 10
 365 " Mixed 10

ZINNIA ELEGANS.

- A magnificent class of free-flowering plants with large handsome flowers of various colors, continuing in beauty until destroyed by frost. Half-hardy annuals.
- Zinnia Elegans, new double flowered, the most important acquisition of many years, its splendid double flowers rivaling Dahlias in beauty, size and form. The seed we offer has been gathered from the finest double flowers, and may be confidently recommended 10

DOUBLE ZINNIA.

- | | | | |
|-----|---------|--|------|
| 366 | Zinnia. | Six varieties, from the finest and most perfect double flowers | |
| | | each | 10 |
| 367 | " | double, mixed first quality | 10 X |

Summer Flowering Bulbs, for Spring Planting.

LILIUM AURATUM.

THE GOLDEN-RAYED JAPANESE LILY, of this wondrous race, is now known in every garden where plants of value and beauty are regarded with admiration. Being so well known, a description of this gorgeous beautiful Li'y is almost needless, but it may be well to remark that it is admirably adapted for cultivating in the green-house, conservatory, or open air.

Our stock of this Li'y is by far the best ever offered in this country, all of which were grown here last season, consequently far superior to newly imported bulbs. We shall not send out any that did not flower last season.

Flowering Bulbs, 25 cents each; 2.75 per dozen.

Good Flowering Bulbs, 35 cents each; 3.75 per dozen.

Extra Large Bulbs, 50 cents each; 5.00 per dozen.

JAPAN LILIES. (*Lilium Lancifolium*.)

These superb Lilies are perfectly hardy, flowering freely in July and August, forming one of the most striking objects in the flower border. Strong bulbs for spring planting can be furnished as late as the 15th of April, after which time they can be furnished in pots, for turning out into the border. They also flower finely in pots.

L. Lancifolium Album—white. 30 cents each; 3.50 per dozen.

L. " Roscum—spotted rose. 25 cents each; 2.75 per dozen.

L. " Rubrum—white and red spotted. 25 cts. each; 2.75 per doz.

Lilium Candium—White and fragrant. 25 cents each; 2.50 per dozen.

TIGRIDIAS.

A genus of Mexican blubs, grows about one and a half foot high, producing flowers of the most exquisite beauty; the flowers large, about four inches across of singularly curious shape, and the color of each variety gorgeous, and purely contrasted. No flower can exceed it in beauty. In bloom, from July to the first of October. In autumn take up the blubs, and keep them in a dry place away from frost, until the time of planting in the spring.

Conchiflora, orange and golden yellow, spotted with black. 12 1-2 cts. each.

Iazonia, rich scarlet, tinged and spotted with pure yellow. 12 1-2 cts. each.

DOUBLE TUBEROSES. (*Polyanthes Tuberosa*)

These much esteemed flowers, unsurpassed for elegance, purity of color and delightful fragrance, are now considered a necessity in every flower garden, however small it may be. In order to give my customers every chance of success, I have taken great care in selecting extra quality bulbs this season. Dry bulbs 15 cents each; 1.75 per dozen. Started in pots for early flowering 30 cents each; 3.25 per dozen.

AMARYLLIS FORMOSISSIMA OR JAEOBIA LILY.

This flower is of the most beautiful and rich crimson velvet color; the bulb generally produces two stems one after the other about the end of May or first of June, the stem from nine to twelve inches high surmounted by a single flower, composed of six petals, three hanging down, three erect and recurved; the stems droop on the centre of the under petals. The flower thus appears nodding on one side of the stem, and has most graceful and charming appearance. Plant about the first of May. Price 25 cents each; \$2.75 per dozen.

MADERIA VINE.

A half hardy tuberous rooted climbing plant of rapid growth, suitable for covering arbors and trellis-work. flowers feathery white, with a fragrance resembling Mignonette; 10 cents each; \$1.00 per dozen.

Gladiolus.

Splendid French and Belgian Hybrids of *Gladiolus Gandavensis*, in many new and rare varieties, from the most celebrated European cultivators.

This superb family of flowering plants is too well known, as ranking of late years among the foremost of popular favorites, to need any particular description. It is sufficient to say, that in richness, delicacy, and variety of tints, running into all imaginable combinations, they stand unrivalled in the florists collection. The flowers are large, well formed, and conspicuously arranged in a stately spike; and a tasteful selection and blending of sorts produces in mid-summer a brilliant and striking effect, without which no flower garden can be complete in its appointments.

The cultivation of the Gladiolus is very simple. The bulbs may be planted any time after the first of April, in rows or beds of deep, loamy, and moderately rich soil, from two to three inches deep, and from six to twelve inches apart, as to size. The plants should be well watered in a dry season, and the new bulbs carefully taken up in the fall, before the ground freezes, and stored in a dry place. By planting at intervals through April, May and June, a long succession of bloom may be secured.

We will allow a discount of five per cent from catalogue price when one dozen are ordered, ten per cent on two dozen.

Please state if, in the event of our being out of the varieties ordered, we may substitute others. Forwarded by mail to any address in the United States.

ADONIS.—Light cherry color; lower divisions yellowish, with bright carmine stains	15
AMABILIS.—(dwarf). Bright vermillion; yellow stain	15
ARISTOTE.—Light carnation rose, red variegated; inferior divisions striped with carmine and purple	15
CALENDULACEOUS.—Bright nankeen-yellow	25
CANARI.—Light yellow, striated with rose on the inferior divisions	25
COURANTI FULGENS.—Bright, brilliant-crimson, fine shaped flower	15
Dr. ANDRY.—Very bright orange; beautiful shape	15
DON JUAN.—Orange fire-red, inferior divisions spotted with yellow	15
DUC DE MALAKOFF.—Orange red, blazed with lighter stripes; white ground, slightly sulphurish	45
EDITH.—Large flower; rose carnation with darker stripes	20
EGERIA.—Light orange-colored rose with darker stripes	25
GALATHEA.—Slightly carnation-colored, nearly white, with carmine stains	20
GOLIATH.—Very large flower, light red ground striated, carmine stains	25
IMPERATRICE.—White, slightly carnation-tinted; stains, bright carminate rose	15
JOHN BULL.—Ivory white, or slightly sulphurate white	25
LORD GRANVILLE.—Straw color, stained with deep yellow and striped with red	50

Mme. HERINCQ. Yellowish white, passing into dim white; large'y stained and marbled with lilac	15
Mr. BLOUET. Tender rose, shaped with carmine on the inferior divisions; large flower	20
Mr. VINCHON. Light salmon red, variegated and lined with white	20
OTHELLO.—Light orange red, dwarf plant of great effect	15
PALLAS.—Bright rose, striated with deeper rose, purplish carmine stains on lightly orange shaded ground	30
PEGASUS.—Carnation-colored stains purpurine on chamois ground	15
PELLONIA.—Beautiful variegated rose, inferior divisions tinted and carmine	25
PENELOPE.—Large flower, slightly carnation-flowered white; inferior divisions tinted with yellow, carmine striated	25
PREMICES DE MONTROUGE.—Splendid bright red. (<i>Dwarf</i> , about two feet high)	25
PRINCE IMPERIAL.—Very vigorous plant, very large flower; white, slightly flesh-colored; still very large, carminate violet	25
PRINCE OF WALES.—Very bright fire-red; stain, white striped with violet. The finest of the red varieties	1.25
VESTA.—Pure white, stained with purplish carmine on yellow ground	30
SPLENDID MIXTURE —	\$1.00, \$2.00 and \$3.00 per doz.

BEDDING PLANTS,

AMONG WHICH ARE

VERBENAS, GERANIUMS, HELIOTROPE, LANTANNAS, DAHLIAS, ROSES, PINKS, PETUNIAS, DAISIES, FUCHIAS,
NEW PLANTS, &c.

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